

United States Government

Department of Energy  
Bonneville Power Administration

# memorandum

DATE: July 6, 2004

REPLY TO  
ATTN OF: KEP-4

SUBJECT: Supplement Analysis for the Transmission System Vegetation Management Program FEIS  
(DOE/EIS-0285/SA-220- Misc. Trees – Bell District) Project No. V-S-04/12

TO: Tom Murphy  
Natural Resource Specialist– TFS/Bell-1

**Proposed Action:** BPA is proposing to conduct vegetation control activities at various structures located at different transmission line corridors within the Spokane Region to address tall growing vegetation present in the Right of Way (ROW) that will soon pose a hazard to the lines. .

**Location:** The project area consists of transmission line corridors and structures located in Idaho (Bonner and Boundary County) and Washington (Ferry, Pend Orielle, Spokane and Stevens County). The entire project is in the BPA Spokane Region. The ROW width for the project area varies. Land along the project corridor consists of residential, rural and urban settings.

**Proposed by:** Bonneville Power Administration (BPA).

**Description of the Proposal:** BPA proposes to clear unwanted vegetation around selected transmission line structures that may impede the operation and maintenance of the subject transmission lines. All work will be in accordance with the National Electrical Safety Code and BPA standards. BPA plans to conduct vegetation control with the goal of removing tall growing vegetation that is currently or will soon be a hazard to the transmission line. Unfortunately, BPA's overall goal to have low-growing plant communities along the rights-of-way to control the development of potentially threatening vegetation is not an appropriate strategy for this project since it is in a rural-residential area.

**Analysis:** This project meets the standards and guidelines for the Transmission System Vegetation Management Program Final Environmental Impact Statement (FEIS) and Record of Decision (ROD).

## **Planning Steps:**

### **1. Identify facility and the vegetation management need.**

The work involved will be to clear tall growing vegetation that is currently or will soon pose a hazard to the lines and selectively eliminating tall growing vegetation *before* it reaches a height or density to begin competing with low-growing vegetation. Target trees are located at the following transmission line right of ways and associated structures:

**Idaho (Bonner and Boundary Counties)***Albeni Falls - Sandcreek No. 1*

Structure 3/7, 100 feet ahol, right, 1 tree

Structure 7/2, immediately ahol, adjacent to structure (COE Agreement)

Structure 16/3, 200 feet ahol, left, 2 trees

*Lancaster - Noxon No. 1*

Structure 54/2, 250 feet ahol, left, 1 tree

*Sacheen - Albeni Falls No. 1*

Structure 13/10, 10 feet ahol, right, 10 trees

Structure 13/10, 150 feet ahol, left, 1 tree

Structure 13/10, 350 feet ahol, right, 12 trees

*Sand Creek - Bonners Ferry No. 1*

Structure 14/5, 100 feet ahol, right, 5 trees

Structure 16/1, 50 feet ahol, left, 12 trees

Structure 19/5, 350 feet ahol, left, 3 trees

Structure 20/5, 500 feet ahol, left

**Washington (Ferry, Pend Orielle, Spokane and Stevens Counties)**

Addy-Colville No. 1

Structure 9/05, 200 feet ahol  
 Structure 12/7, apple orchard  
 Structure 13/05, 200 feet ahol

Bell - Addy No. 1

Structure 6/3, 400 feet ahol, right, 1 tree  
 below Avista crossing

Bell - Boundary No. 1

Structure 2/4, 1 tree  
 Structure 6/4, 2 trees  
 Structure 45/3, 300 feet ahol, right, 1 tree

Bell - Boundary No. 3

Structure 56/8, 400 feet ahol, left, 1 tree  
 Structure 57/1, 250 feet ahol, left, 1 tree  
 Structure 32/2, 100 feet ahol, left, 1 tree  
 Structure 73/2, 400 feet, 2 trees

Colville - Boundary No. 1

Structure 1/10, ahol, right, 1 tree  
 Structure 3/4, ahol, right, 6 trees

Colville - Republic No. 1

Structure 2/6, 0 feet ahol, left, 1 tree  
 Structure 18/6, 100 feet ahol, left, 1 tree  
 Structure 25/5, 0 feet, right, 2 trees  
 Structure 32/6, 300 feet ahol, right, 6 trees  
 Structure 32/8, 10 feet ahol, right, 2 trees

Four Lakes Tap

Structure 1/5, 30 feet ahol, left, 2 trees

Green Bluff Tap

Structure 3/3, 600 feet ahol, right, 1 tree

Trentwood - Valleyway No. 1

Structure 1/2, 20 feet, 1 maple  
 Structure 3/2, 150 feet, 1 cedar  
 Structure 3/2, 311 feet ahol, left, 1 tree

Vera Tap to Trentwood - Valleyway No. 1

Structure 4/5, 20 feet ahol, tree agreement  
 area  
 Structure 4/14, 100 feet ahol, right, 1 tree

Also, all off right-of-way trees that are potentially unstable and will fall within a minimum distance or into the zone where the conductors swing will be removed. All work will be accomplished by manual control methods to assure that there is little potential harm to non-target vegetation and to low-growing plants. Desirable low-growing plants will not be disturbed. The work will provide system reliability and fire protection.

The vegetation control will be ongoing over the next 10 years as tall growing vegetation and target trees enter the tolerance zone or the landowner chooses not to maintain the trees as required.

## **2. Identify surrounding land use and landowners/managers and any mitigation.**

The transmission line ROW traverses residential, rural, urban ownership lands as well as a small amount of Forest Service managed lands. The types and density of trees to be removed are noted in Attachment 1, Checklist. No other agencies or Tribal involvement exists.

The landowner will be contacted if trees pose a hazard to the line. This contact will be by letters, phone calls and onsite visits. In areas where there is an active tree agreement, no cutting will be performed if owner brings trees into compliance. In most cases, low growing replacement trees will be offered.

The Forest Service manages lands located in two target areas (the Albeni Falls-Sand Creek #1, 16/3, located in Kaniksu NF and the Colville-Republic #1, 32/6 and 32/8, located in Colville NF). The FS will be contacted verbally and BPA will coordinate with the appropriate Ranger District to address any concerns needing to be resolved prior to removing the target trees from these locations.

## **3. Identify natural resources and any mitigation.**

### Surface Water Resources

Surface water resources (i.e. lakes, rivers, streams, creeks, wetlands) within a ½ mile vicinity of the corridor have been identified through BPA's GIS system (i.e. Tview2) but no planned work activities will impact these mapped areas.

For any work performed within close proximity of wetlands, the following mitigation measures will be observed:

- No vehicle equipment will enter wetlands.
- All work will be performed using handheld equipment.
- All fueling operations will be performed outside the wetland area.

For any work performed within close proximity of lakes, rivers, streams and creeks, the following buffers and mitigation measures will be observed to avoid disturbing any potential fish habitat:

- Low-growing vegetation that provides shade will be protected. A 35-foot buffer will be observed to protect the creek's canopy.
- No herbicides will be applied near potential fish-bearing waterways. Only cutting and topping will be performed as necessary.
- Cut trees will not be felled into the creek unless directed to do so by the State or Federal Fish & Wildlife.

- Vehicles will be kept away from water channels to minimize erosion and sedimentation of waters.
- Standard erosion control practices will be employed, if necessary, to prevent sedimentation of the water.

#### Irrigation sources, Wells or Springs

No known irrigation sources, wells or springs are present along the right of way.

#### T&E Species and Habitats

A species list request was received from the US Fish and Wildlife Service on June 4, 2004 identifying listed species in the county that the project is located in. No known locations of T&E listed species and critical habitats have been identified in the project area. Information concerning T&E species and habitats was verified using several databases (i.e. Tview2, Northwest Subbasin Geographic Data Browser, Montana Natural Heritage Program, USFW TESS). If any T&E animal activity is observed, project activity will be suspended until a revised assessment is performed.

#### Sensitive Areas

No visually sensitive areas have been identified.

#### Cultural Resources

No cultural resources have been identified. If archaeological material is discovered during the course of vegetation management activities, all work will be halted and a professional archaeologist will be notified.

#### Erosion Control

Erosion potential will be minimal due the method of cutting (handheld chainsaws).

Issues concerning T&E listed species/critical habitats and cultural resources have been addressed and work within the project corridor is expected to have a “no effect” on any natural or cultural resources present.

Prior to the beginning of the work, the contractor will be provided with a set of the project maps, supplemental information as well as with a list of management prescriptions from the Vegetation Management EIS.

#### **4. Determine vegetation control and debris disposal methods.**

Vegetation control on all lands will be performed using manual and mechanical methods.

Debris will be disposed using lop and scatter methods except residential sites (i.e. Vera Tap and Trentwood-Valley Way) where disposal will be accomplished through chipping/hauling methods.

#### **5. Determine revegetation methods, if necessary.**

Due to minimal soil disturbance, no seeding is planned.

#### **6. Determine monitoring needs.**

The right-of-way will be inspected after completion of the work to determine if all hazard trees have been removed from the identified structures.

Follow-up monitoring will occur 2-3 times per year to follow-up with removal of any additional target trees that enter the tolerance zone or if the landowner chooses not to maintain trees as required.

**7. Prepare appropriate environmental documentation.**

**Findings:** This Supplement Analysis finds that 1) the proposed actions are substantially consistent with the Transmission System Vegetation Management Program FEIS (DOE/EIS-0285) and ROD, and; 2) there are no new circumstances or information relevant to environmental concerns and bearing on the proposed actions or their impacts. Therefore, no further NEPA documentation is required.

/s/ James Meyer for  
 Michael A. Rosales  
 Environmental Physical Scientist

CONCUR: /s/ Thomas C. McKinney  
 Thomas C. McKinney  
 NEPA Compliance Officer

DATE: 7/9/2004

Attachment

cc:

L. Croff - KEC-4  
 T. McKinney - KEC-4  
 J. Meyer - KEP-4  
 M. Rosales – KEPR/Bell-1  
 J. Sharpe - KEPR-4  
 P. Key - LC-7  
 K. Rodd - TF/DOB-1  
 J. Hilliard Creecy - T-DITT2  
 D. Labrosse – TFS/Bell-1  
 J. Lahti – TFS/Bell-1  
 M. Borrows – TFSF/Bell  
 Environmental File - KEC-4  
 Official File - KEP (EQ-14)